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**DATE:** July 7, 2005

**TO:** Commissioner for Patents

**ATTN:** Examiner: to be assigned  
Art Unit: to be assigned

**FAX NUMBER:** (703) 746-4060

**FROM:** Sandip (Micky) S. Minhas, Reg. No. 44,945, Attorney for Applicant  
Direct Telephone No.: (858) 651-4908  
Attorney Docket No.: 030488

**Total Number of Pages Sent:** 25 (including this transmittal cover sheet)

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**FILING BY FACSIMILE:**

**ATTORNEY DOCKET NO.:** 030488 **SSM/KML**

**ENCLOSED ARE:**

- 1 Listing of References (PTO form 1449) (1 page)
- 2 References (21 pages)
- 1 Information Disclosure Statement (2 pages)

**APPLICANT:** Gore et al.  
**ASSIGNEE:** QUALCOMM Incorporated  
**SERIAL NO.:** 10/821,706  
**FILED:** April 9, 2004

**FOR: PILOT TRANSMISSION AND CHANNEL ESTIMATION FOR AN OFDM SYSTEM WITH EXCESS DELAY SPREAD**

\*\*\*\*\*

Please contact Kate Lane at (858) 658-2616 if all pages do not transmit.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT  
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JUL 07 2005

In Re Application of  
Gore, Dhananjay et al.

For: PILOT TRANSMISSION AND  
CHANNEL ESTIMATION FOR AN  
OFDM SYSTEM WITH EXCESS  
DELAY SPREAD

Serial No. 10/821,706

Filed: April 9, 2004

) Group No. Unassigned

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

- ☐ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FACSIMILE

- ☒ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: Kate Lane

(type or print name)

Date: July 7, 2005

Signature: Kate Lane

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

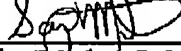
In accordance with 37 CFR § 1.97(b)(3), this Information Disclosure Statement is being submitted before mailing of the first Office Action on the merits. Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application.

A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited foreign reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: July 7, 2005

By:   
Sandip (Micky) S. Minhas  
Registration No. 44,945

QUALCOMM Incorporated  
Attn: Patent Department  
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Sheet 1 of 1

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 030488	SERIAL NO. 10/821,706
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Gore, Dhananjay et al.	
		FILING DATE April 9, 2004	GROUP Unassigned
DATE MAILED: July 7, 2005			

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1 6 6 5 4 4 2 8	11-25-03	LI			
	A2					
	A3					
	A4					
	A5					
	A6					

## U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

*EXAMINER INITIAL	PUBLICATION NUMBER	PUB. DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	B1 2 0 0 3 / 0 1 8 5 3 1 4	10-02-03	KOLZE			
	B2					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	C1	1 3 2 0 2 3 2 EP	06-18-03	Europe	EILTS et al.		
	C2						
	C3						
	C4						
	C5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

D1	HUNTER et al., "Channel Estimation for Mobile OFDM Systems," <u>IEEE</u> , Vehicular Technology Conference, 1:305-309 (September 19, 1999)
D2	
D3	
EXAMINER	
DATE CONSIDERED	
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	